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24 JAN 2014

Operator: Kimberly-Clark Limited

Permit Number: BJ9703IM

Form Number: Air1

Facility: Flint Paper Mill

Reporting of emissions to air for the period from Jun 13 to Dec 13

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
A1	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂)	200 mg/m ³	Half hourly average	Plant No Longer Operating	BS EN 14792	Plant No Longer Operating	
A2	Particulates	No limit set	Minimum 4 hour sample	Plant No Longer Operating	BS EN 13284-1	Plant No Longer Operating	
A6	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂)	250 mg/m ³	Half hourly average	64.98 mg/m ³	BS EN 14792	16:16 – 16:46 on 7/11/13	+/- 4.86
A7	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂)	50 mg/m ³	Half hourly average	11.54 mg/m ³	BS EN 14792	13:31 – 14:01 on 7/11/13	+/- 1.15
A7	Particulates	No limit set	Minimum 4 hour sample	0.77 mg/m ³	BS EN 13284-1	11:52 – 16:46 on 7/11/13	+/- 0.16
A15	Particulates	No limit Set	Minimum 4 hour sample	0.47mg/m ³	BS EN 13284-1	10:10 – 16:55 on 8/11/13	+/- 0.08

- (1) The result given is the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, the result is given as the 'minimum - maximum' measured values.
- (2) Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with the Environment Agency is used, then the appropriate identifier is given. In other cases the principal technique is stated, for example gas chromatography.
- (3) For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements the percentage of the process operating time covered by the result is given.
- (4) The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

Signed ... Andrew Linkman Date ... 23/1/2014

(Authorised to sign as representative of Kimberly- Clark Limited)

MONITORING RETURNS N. WALLS

INITIALS DATE

CHECKED V6 AUTHORIZATION

AS 30/1/14

TRACKING

JB 27.1.14

OK FOR PUBLIC REGISTER

AS 30/1/14

WALLS MONITORING RETURNS

JB EDCM

Permit Number: BJ9703IM

Facility: Flint Paper Mill

Operator:

Kimberly – Clark Limited

Form Number:

Water1 / 26/09/11

Reporting of emissions to water (other than to sewer) and land for the period from

Oct

to

Dec 2013

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
W2	Biological Oxygen Demand	70 mg/l	Tidal flow proportional sample	22.5mg/l	EA NLS Lab Test Code 1 SX BOD or NM BOD – 5 day, 2 ATU – by automated DO probe.	3/10/13 @ 23:43	
W2	Ammonia	8 mg/l	Tidal flow proportional sample	9.88 mg/l	SCA Blue Book 48. BS 6068-2.11, ISO 7150-1	25/10/13 @ 16:10	
W2	Chemical Oxygen Demand	No limit set	Spot sample	165 mg/l	Blue Book 215, BS ISO 15705:2002. BS 6068-2.34	17/11/13 @ 11:16	
W2	Suspended solids	80 mg/l	Tidal flow proportional sample	88 mg/l	BS EN 872:2005, SCA Blue Book 105	17/11/13 @ 11:16	
W2	Total Mercury and its compounds	0.1 ug/l	Tidal flow proportional sample	Sample lost EA Lab (Leeds)	EA NLS Lab Test Code 247		
W2	Pentachloropheno l (PCP) and its compounds	4 ug/l	Tidal flow proportional sample	Sample lost EA Lab (Leeds)	EA NLS Lab Test Code 62		
W2	Total Cadmium and its compounds	0.3ug/l	Tidal flow proportional sample	Sample lost EA Lab (Leeds)	EA NLS Lab Test Code 34		
W2	pH	5 - 9	Instantaneous	7.58 – 8.34	BS EN 06068-2.50:1995	30/12/13 @ 21:57 6/12/13 @ 13:49	
W2	Dangerous Substance screen	No limit set	Tidal flow proportional sample	Not Required this Quarter	GC/MS analysis to be carried out by UKAS accredited laboratory (Q3)	Annual test only (Q3)	
W2	Temperature	Maximum Temperature 30°C	Instantaneous	29.65°C	Standard temperature sensor	25/9/13 @ 16:00	
W2	Flow	500 l/second	Instantaneous	399.5 l/second	MCERTS self monitoring of effluent flow scheme	10/10/13 @ 3:31	

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
W2	Total Nitrogen	No limit set	Tidal flow proportional sample	4.24 mg/l	EA NLS Lab Test Code 387 SX Total Nitrogen or NM Nitrogen – digested, determined colorimetrically by auto analyser.	17/11/13 @ 11:16	
W2	Total Phosphorous	No limit set	Tidal flow proportional sample	15.9 mg/l	EA NLS Lab Test Code 234 SX Total Phosphorous or NM Total Phosphorous – digested, determined colorimetrically by auto analyser.	17/11/13 @ 11:16	
W2	AOx	No limit set	Tidal flow proportional sample	Sample lost EA Lab (Leeds)	EA NLS Lab Test Code 1295		
W2	Maximum Tidal Volume	3182 m ³	Time period from high tide to low tide	2467 m ³	MCERTS self monitoring of effluent flow scheme	28/10/13 @ 18:31	
W2	Maximum Daily Volume	6364 m ³	24 hours	2467 m ³	MCERTS self monitoring of effluent flow scheme	28/10/13	

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(2) Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with the Environment Agency is used, then the appropriate identifier is given. In other cases the principal technique is stated, for example gas chromatography.

(3) For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements the percentage of the process operating time covered by the result is given.

(4) The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

Signed ... Andrew Linkman Date... 23/1/2014.....
(Authorised to sign as representative of Kimberly – Clark Limited)

Permit Number: BJ9703IM

Operator: Kimberly-Clark Limited

Facility: Flint Paper Mill

Form Number: Performance1 / 26/09/11

Reporting of other performance indicators for the period Oct to Dec 2013

Parameter	Units
BOD/ADT	0.0974
Suspended solids/ADT	0.522
Total Nitrogen/ADT	0.0455
Total Phosphorous/ADT	0.0394
NOx /ADT	0.271
CO ₂ /ADT	0.548

Operator's comments :

NOx and CO2 calculated using H1 emission factors.

Cadmium, Mercury, Pentachlorophenol and AOX samples confirmed received by EA Labs (Leeds) and not reported. Later confirmed as lost in their system.

Signed ...Andrew Linkman..... Date...23/1/2014.....
(Authorised to sign as representative of Kimberly – Clark Limited)

Send completed forms to ppc.northwales@environment-agency.gov.uk